

## **ABSTRACT OF THE DISCLOSURE**

This specification discloses a packet type arbitrator in a wireless local area network (WLAN) and its arbitrating method. The arbitrator contains at least two packet type detectors and a packet type decider. The packet type detector is installed with a false  
5 alarm checking module and a timer according to the strength of the packet for delaying the decision from the packet type decider. Through the checking mechanism of the false alarm checking module and the timer, erroneous decision can be avoided when determining the packet type.